**CP Algebra II** Name:

**Mrs. Britton**

**Chapter 7 Review** Date:

**Add or subtract each set of polynomials.**

1.  2. 

**Classify the polynomials by degree and number of terms:**

3.  4.  5. 

**Evaluate each for the given value of x:**

6.  when  7.  when 

**Describe the end behavior for each function:**

8.  9.  10. 

**Find any local minima and maxima for the following functions. State where the function increases and decreases (in interval notation). Sketch the graph of each function:**

11. 

Max:

Min:

Increases:

Decreases:

12.

Max:

Min:

Increases:

Decreases:

**Solve each by factoring:**

13.  14. 

**Divide Using Long Division:**

15.  16. 

**Divide Using Synthetic Division:**

17.  18. 

**Find the zeros of each Polynomial Function/Equation:**

19.  20. 

21.  22. 

23.  24. 